



Docket No. 2001-1629 / 24061.443  
Customer No.: 42717

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|             |  |   |            |              |
|-------------|--|---|------------|--------------|
| Applicant:  | Horng-Huei Tseng   | § | Examiner:  | Thanh Y Tran |
| Serial No.: | 10/647,715   | § |            |              |
| Filed:      | August 25, 2003  | § | Art Unit:  | 2827         |
| For:        | MIM Capacitor Having a High-Dielectric-Constant Interelectrode Insulator and a Method of Fabrication | § | Conf. No.: | 2158         |
|             |  | § |            |              |
|             |  | § |            |              |
|             |  | § |            |              |
|             |  | § |            |              |

**REVOCATION/NEW POWER OF ATTORNEY BY ASSIGNEE  
OF ENTIRE INTEREST INCLUDING CERTIFICATION FOR  
TAKING ACTION BY ASSIGNEE UNDER 37 CFR 3.73(b)**

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The below-named assignee hereby revokes all powers of attorney previously given and hereby appoints the following attorneys to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Jeffrey M. Becker (Reg. No. 35,442); James R. Bell (Reg. No. 26,528); Timothy F. Bliss (Reg. No. 50,925); Randall C. Brown (Reg. No. 31,213); Randall E. Colson (Reg. No. 40,566); Michael A. Davis, Jr. (Reg. No. 35,488); Andrew S. Ehmke (Reg. No. 50,271); Priscilla Ferguson (Reg. No. 42,531); Alan N. Herda (Reg. No. 50,426); William E. Hickman (Reg. No. 46,771); Dave R. Hofman (Reg. No. 55,272); Rita M. Irani (Reg. No. 31,028); Wei Wei Jeang (Reg. No. 33,305); Mark P. Kahler (Reg. No. 29,178); Warren B. Kice (Reg. No. 22,732); J. Andrew Lowes (Reg. No. 40,706); Todd Mattingly (Reg. No. 40,298); Julie M. Nickols (Reg. No. 50,826); Gloria Norberg (Reg. No. 36,706); David M. O'Dell (Reg. No. 42,044); T. Murray Smith (Reg. No. 30,222); and Chien Wei Chou (Reg. No. 41,672).

Please address all correspondence and telephone calls regarding this application to:

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The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventors of the above-identified patent application to the above-identified assignee as shown below:


Assignment from inventors to Taiwan Semiconductor Manufacturing  
Company recorded on August 25, 2003 at Reel 014429 Frame 0091

The undersigned has reviewed all the documents in the chain of title of the above-identified patent application and, to the best of the undersigned's knowledge and belief, title is in the above-identified assignee. The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true; and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

Taiwan Semiconductor Manufacturing Company, Ltd.

  
Chien Wei Chou  
Director, IP Division

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| CERTIFICATE OF MAILING   |  |
|--|--|
| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below. |  |
| Name _____   |  |
| Date _____   |  |

# UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Horng-Huei Tserng

Serial No.: 10/647,715

Filed: August 25, 2003

For: A MIM Capacitor Having A High-Dielectric-Constant Interelectrode Insulator and A Method of Fabrication

Attorney Docket No.: 24061.443  
TSMC2001-1629

Customer No. 42717

Group Art Unit: 2827

Examiner: Tran, Than Y.

Conf. No.: 2158

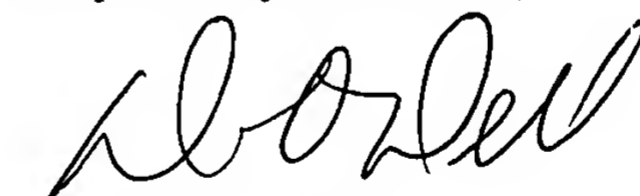
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## SUPPLEMENTAL SHEET TO POWER OF ATTORNEY

In accordance with 37 CFR 1.32 (c)(3) and with reference to the accompanying Power of Attorney, please recognize the following ten patent practitioners as being of record in this application.

| Name              | Registration Number |
|-------------------|---------------------|
| David M. O'Dell   | 42,044              |
| Jeffrey M. Becker | 35,442              |
| Timothy F. Bliss  | 50,925              |
| Andrew S. Ehmke   | 50,271              |
| Dave R. Hofman    | 55,272              |
| Wei Wei Jeang     | 33,305              |
| Julie M. Nickols  | 50,826              |
| J. Andrew Lowes   | 40,706              |
| T. Murray Smith   | 30,222              |
| Chien Wei Chou    | 41,672              |

Respectfully submitted,



David M. O'Dell  
Registration No. 42,044

Dated: 8-17-04

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### Certificate of Mailing

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Bonnie Boyle  
Name

8-18-04  
Date